

1. A resuscitation system, comprising:
  - at least one first high-voltage defibrillation electrode;
  - at least one second high-voltage defibrillation electrode; and
  - at least one manually operable control mechanically connected with and in the  
5 vicinity of at least one of the first and second electrodes; and
  - a resuscitation control system electrically connected to the first and second electrodes and the at least one manually operable control and configured to provide resuscitation prompts to a rescuer based on use of the manually operable control by the rescuer.
2. The resuscitation system of claim 1 wherein there are a plurality of manually  
10 operable controls mechanically connected with at least one of the first and second electrodes.
3. The resuscitation system of claim 1 wherein the at least one manually operable control comprises a pause control for pausing a resuscitation procedure.
4. The resuscitation system of claim 1 wherein the at least one manually operable control comprises a help button for requesting prompts from the resuscitation control system  
15 with respect to a particular aspect of resuscitation.
5. The resuscitation system of claim 4 wherein the particular aspect of resuscitation comprises clearing a patient's airway.
6. The resuscitation system of claim 4 wherein the particular aspect of resuscitation comprises assisting a patient's breathing.
- 20 7. The resuscitation system of claim 4 wherein the particular aspect of resuscitation comprises assisting a patient's circulation.
8. The resuscitation system of claim 1 wherein the first electrode is a sternum electrode and the second electrode is an apex electrode.
9. The resuscitation system of claim 1 wherein the manually operable control is a  
25 button configured to be pushed by the user.

10. A CPR system, comprising  
a CPR pad configured to be located over a region of a patient's body appropriate for  
CPR chest compressions;  
5 a compression-sensing element interconnected with the CPR pad;  
a resuscitation control system electrically connected to the compression-sensing  
element and configured to receive compression information from the compression-sensing  
element; and  
at least one manually operable control mechanically connected with the CPR pad,  
wherein the resuscitation control system is electrically connected to the at least one manually  
10 operable control and is configured to provide resuscitation prompts to a rescuer based on use  
of the manually operable control by the rescuer.

11. The CPR system of claim 9 wherein the manually operable control is a button  
configured to be pushed by the user.

15 12. A resuscitation system comprising:  
at least two defibrillation electrodes configured to be applied to the exterior of the  
chest of a patient for delivering a defibrillation shock;  
a source of one or more ECG signals from the patient;  
a defibrillation circuit for delivering a defibrillation shock to the defibrillation  
20 electrodes;  
a control box that receives and processes the ECG signals to determine whether a  
defibrillation shock should be delivered or whether CPR should be performed, and that issues  
instructions to the user either to deliver a defibrillation shock or to perform CPR;  
wherein the determination of whether CPR should be performed and the instructions  
25 to perform CPR can occur at substantially any point during a rescue.

13. The system of claim 12 wherein the control box includes a user operable control  
for initiating delivery of a defibrillation shock, and the instructions to deliver a defibrillation  
shock include instructions to activate the user operable control.

14. The system of claim 13 wherein the user operable control is a button configured to be pushed by the user.

15. The system of claim 12 wherein the determination of whether CPR should be performed and the instructions to perform CPR can occur before a determination to deliver  
5 any defibrillation shock.

16. The system of claim 12 wherein the source of the ECG signals is the defibrillation electrodes.

17. The system of claim 12 wherein the defibrillation circuit is contained in the control box.